IADS 3.3 - Preview

Session 14

Prototype Demo
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IADS 3.3 - Features and Enhancements

- One of the most significant changes in IADS Version 3.3 is the combination of the four major IADS applications; reader, zoomview, rpstl, and wstyle, into one.
- IADS Version 2.6 initiated the process toward unification when the style sheet editor was incorporated within the IADS Authoring application. The "wstyle" application remained necessary to create new style sheets as well as to provide other capabilities. Version 3.3 completes the merging of these capabilities, thus eliminating the need for the wstyle application.
- In IADS 3.2 the "split-screen" mode of the reader application eliminated the need to use "zoomview" for this capability. Version 3.3 carries this concept further by bringing zoomview's features into the combined application.
- The RPSTL application is being incorporated into the combined application and will present the user with a new and improved interface.
- All search capabilities (text, topical, RPSTL and word index) are being combined into a single interface.

Why This Change?

General Benefits:

- Standard approach to all document types
- One interface to learn/train
- One point of entry for any information
- One means of searching for any data
- Simplified History
- No inter-process communications

IADS 3.3 - What's New?

Enhancements in Version 3.3 include:

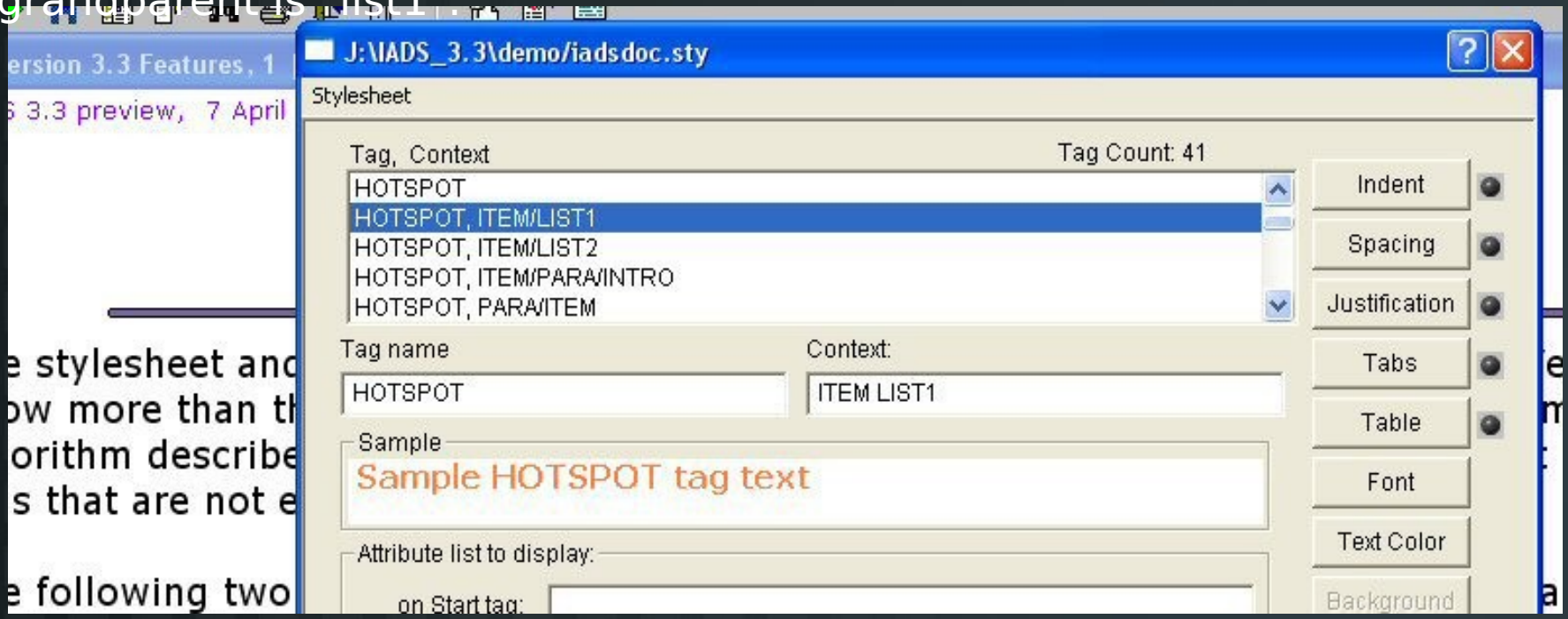
- Improvements to the style sheet
- No more zoomview
- New types of hotspots
- Changes to IADS user note, bookmark, and ‘PIC’ file formats
- Changes to toolbar

IADS 3.3 - Extended Stylesheet Tag Hierarchy

The stylesheet and the related functions have been enhanced beginning with IADS Version 3.3 to allow more than the simple tag/parent relationship of previous versions. The "best match" algorithm described in MIL-PRF-28001C, Appendix B is used to select style sheet entries for tags that are not explicitly defined.

Style Sheet Editor Changes

The style sheet editor has been modified slightly to accommodate the enhanced tag hierarchy in IADS 3.3. Note the change to the box labeled "Context" (formerly "Parent"). This box is used to define the context in which the tag is to be rendered; in this case, the parent is "item" and the grandparent is "list1".



IADS 3.3 - OnClick hotspot

The "script" section is located at the top of the file (between the IADSDOC tag and the first frame tag).

```
<?script>
<!--
action MultiSample {
    <?assign variable='hotdog' value='No mustard‘>
    <?display text='HotspotResult‘>
}
function AssignValue(ToSet01,ToSet02) {
    <?assign variable='aTest01' value='ToSet01‘>
    <?assign variable='aTest02' value='ToSet02‘>
    <?display text='HotspotResult‘>
}
-->
<?/script>
```

IADS 3.3 - "OnClick" Hotspot Example

Here are two examples using the “AssignValue” function defined in the script section

<hotspot OnClick="AssignValue(Jehosaphat,John)">Call function</hotspot>

Later in the document the variables may be used. For example:
<para>"Jumpin' &aTest01;," said &aTest02;.</para>

Will result in:
“Jumpin’ Jehosaphat,” said John. being displayed.

Supplying different arguments to the function as in this example:
<hotspot OnClick="AssignValue(Beans,George)">Call function</hotspot>
Would result in:
“Jumpin’ Beans,” said George.

IADS 3.3 - Reader and Zoomview Combined

- XML picture definition files allow more than one picture to be defined in a PIC file. In the past, document sets requiring large numbers of small PIC files to define all their graphics have presented difficulties when distributing on CDROM due to minimum sector size limitations of the media. Users who have encountered this problem have requested we develop a solution to this dilemma and this approach provides the answer.
- Images may now be bookmarked in the same way as documents.

IADS 3.3 - XML User note and Bookmark files

By using XML for the user note and bookmark IADS 3.3 eliminates several problems with the "strange" data structures used in the current version. For example, if a user opens an old user note file with a text editor and adds or deletes a character from the note text portion, IADS will crash every time it tries to start up.

The ability to read the new XML files has been retrofitted into IADS version 3.2.0008 although it can write out only the older versions of the user note and bookmark files.

XML vs. Old User Note File

```
DN5 /* WARNING: DO NOT modify this file by hand. It is for
       IADS use only. */
16
54
c:\Airwarriorrun\AirWar\baseline\psgc\M0001.sgm
Authr
PSGC_REPAIR_PROC2_SETUP
Maintenance Instructions
ggeis
0
0
19
1
Identify the Shears
6
c:\airwar\OvrWater\LPFC\M0010.sgm
Authr
PMCS_TABLE
Maintenance Instructions
ggeis
1260
0
10
1
span notes
1
c:\airwar\ovrwater\lpfc\abbrevwp.sgm
Authr
ABBREV
```

```
<?xml version='1.0' encoding='UTF-8' standalone='yes'?>
<!DOCTYPE IADSNOTES [
]>
<IADSNOTES Count='16'>
<Note
       href='c:\Airwarriorrun\AirWar\baseline\psgc\M0001.sg
       m#54@0' csm='0'>
<User>ggeis</User>
<Title>Maintenance Instructions</Title>
<Text>Identify the Shears
</Text>
</Note>

<Note href='c:\airwar\OvrWater\LPFC\M0010.sgm#6@1260'
       csm='0'>
<User>ggeis</User>
<Title>Maintenance Instructions</Title>
<Text>span notes
</Text>
</Note>

<Note href='c:\airwar\ovrwater\lpfc\abbrevwp.sgm#1@0'
       csm='0'>
<User>ggeis</User>
<Title>ABBREVIATIONS AND ACRONYMS</Title>
<Text>pull MEK from list
</Text>
</Note>
```

XML vs. Old Bookmark File

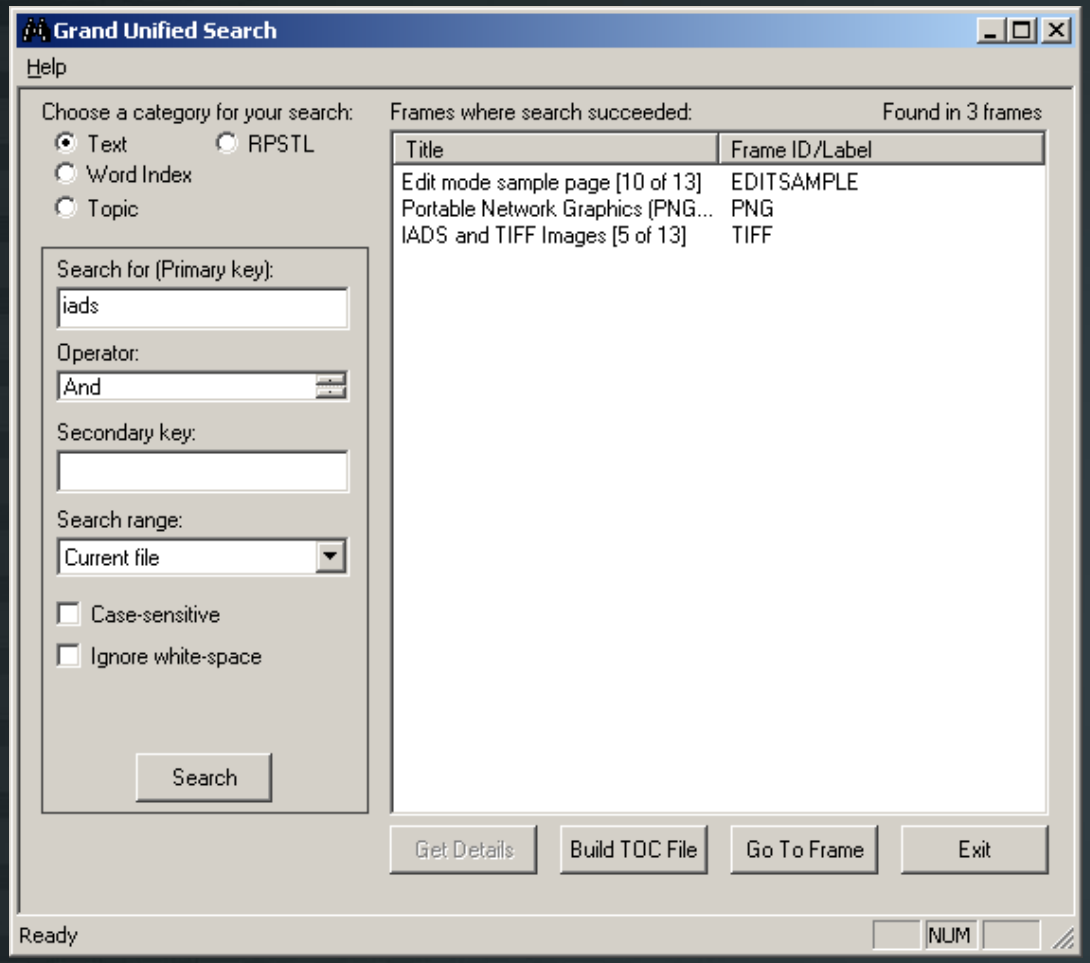
```
BMK3 /* WARNING: DO NOT modify this file by hand.  It is for IADS use
        only. */
6
27
ggeis
IADS 3.2 Demo - Table of Contents & Stuff
IADS 3.2 Demo - Table of Contents & Stuff (IADS V3.2 TOC)
C:\IADS_3.2\DEMO\IADS_3_2.sgm
1

0
1
27
ggeis
CALS Table 01
CALS Table 01 (CALS TABLE 01)
C:\IADS_3.2\DEMO\IADS_3_2.sgm
5

0
1
27
ggeis
CALS Table Processing Enhancements
CALS Table Processing Enhancements (CALS_TABLES)
C:\IADS_3.2\DEMO\IADS_3_2.sgm
4

0
1
```

```
<?xml version='1.0' encoding='UTF-8' standalone='yes'?>
<!DOCTYPE IADSBOOKMARKS [
]>
<IADSBOOKMARKS count='6'>
<Bmk href='C:\IADS_3.2\DEMO\IADS_3_2.sgm#1@0'>IADS 3.2 Demo -
        Table of Contents & Stuff (IADS V3.2 TOC)
<User>ggeis</User>
<Text>IADS 3.2 Demo - Table of Contents & Stuff</Text>
</Bmk>
<Bmk href='C:\IADS_3.2\DEMO\IADS_3_2.sgm#5@0'>CALS Table 01
        (CALS TABLE 01)
<User>ggeis</User>
<Text>CALS Table 01</Text>
</Bmk>
<Bmk href='C:\IADS_3.2\DEMO\IADS_3_2.sgm#4@0'>CALS Table
        Processing Enhancements (CALS_TABLES)
<User>ggeis</User>
<Text>CALS Table Processing Enhancements</Text>
</Bmk>
<Bmk href='J:\IADS_3.3\demo\IADS_3_3.SGM#0@0'>IADS 3.3 Preview
        (COVER)
<User>ggeis</User>
<Text>IADS 3.3 Preview</Text>
</Bmk>
<Bmk
        href='J:\IADS_3.3\demo\IADS_3_3.SGM#INTRODUCTION@0'>Introdu
        ction (INTRODUCTION)
<User>ggeis</User>
<Text>Introduction</Text>
</Bmk>
<Bmk href='J:\IADS_3.3\demo\IADS_3_3.SGM#GENERAL
        BENEFITS@0'>General Benefits (GENERAL BENEFITS)
<User>ggeis</User>
<Text>General Benefits</Text>
</Bmk>
</IADSBOOKMARKS>
```

IADS 3.3 - Toolbars

- The IADS 3.3 toolbar consists of two "ribbons"; the topmost holding three fixed application toolbars and the second to display document defined toolbar buttons.
- The application (IADS) toolbar is made up of three sections. At the left are the seven tri-service buttons, then a separator followed by three IADS specific buttons, and at the far right is a group of three buttons providing history navigation. These buttons are not modifiable by the document data though the actions of several of them are data driven.
- Whenever buttons are defined by the document data a second toolbar ribbon is displayed with those buttons.

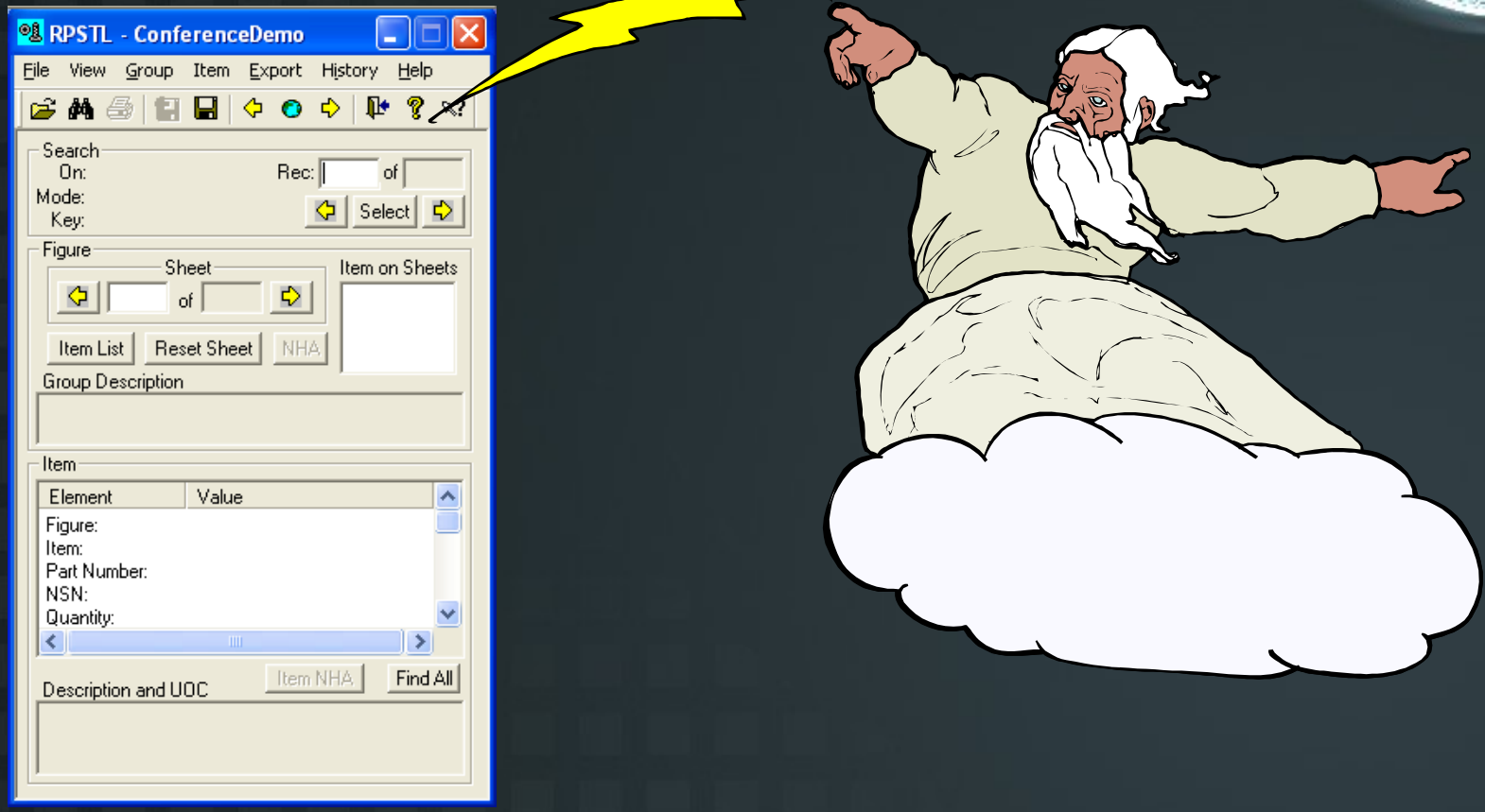
Unified Search (GUS)



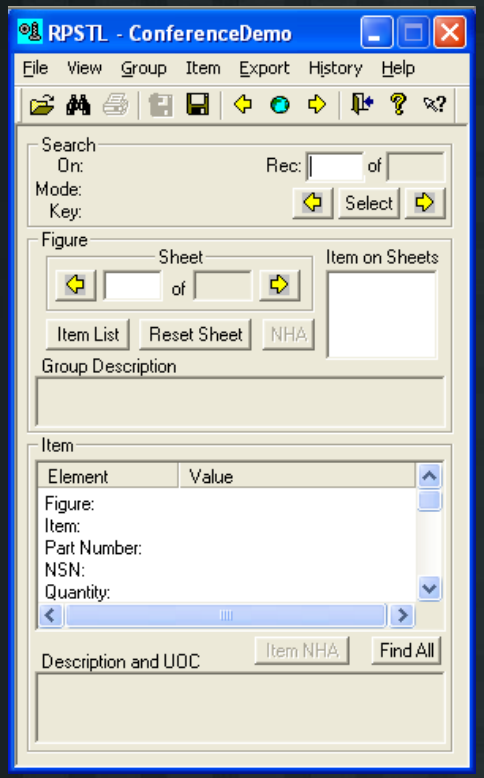
IADS V3.3 Preview: RPSTL

Primary Difference

RPSTL Reader Application



Consolidation of RPSTL



Search Interface

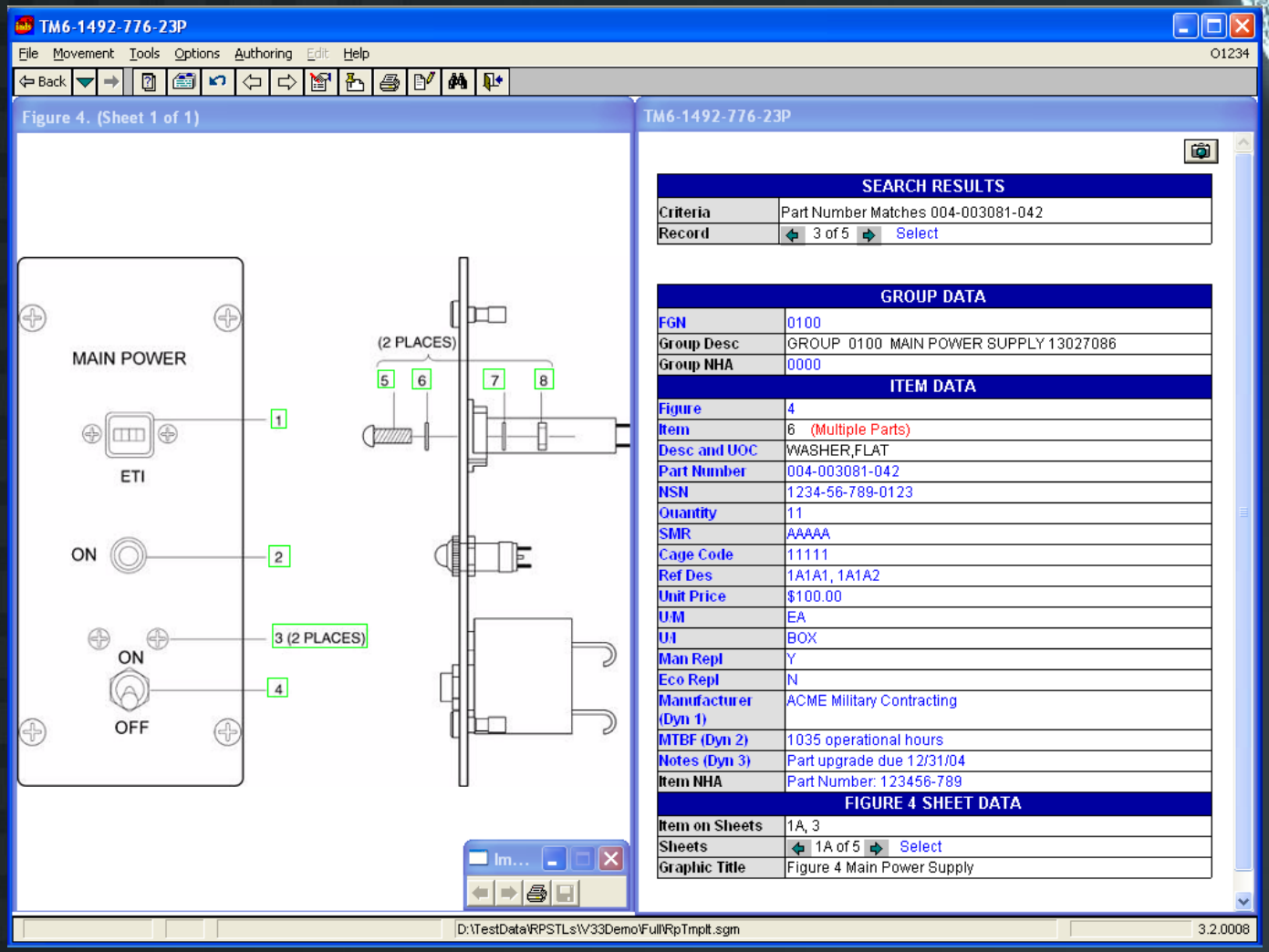
Other Capabilites (display, export, etc.)

Unified Search (GUS)

RPSTL DLL

IADS Reader

RPSTL's New Look



RPSTL User Benefits

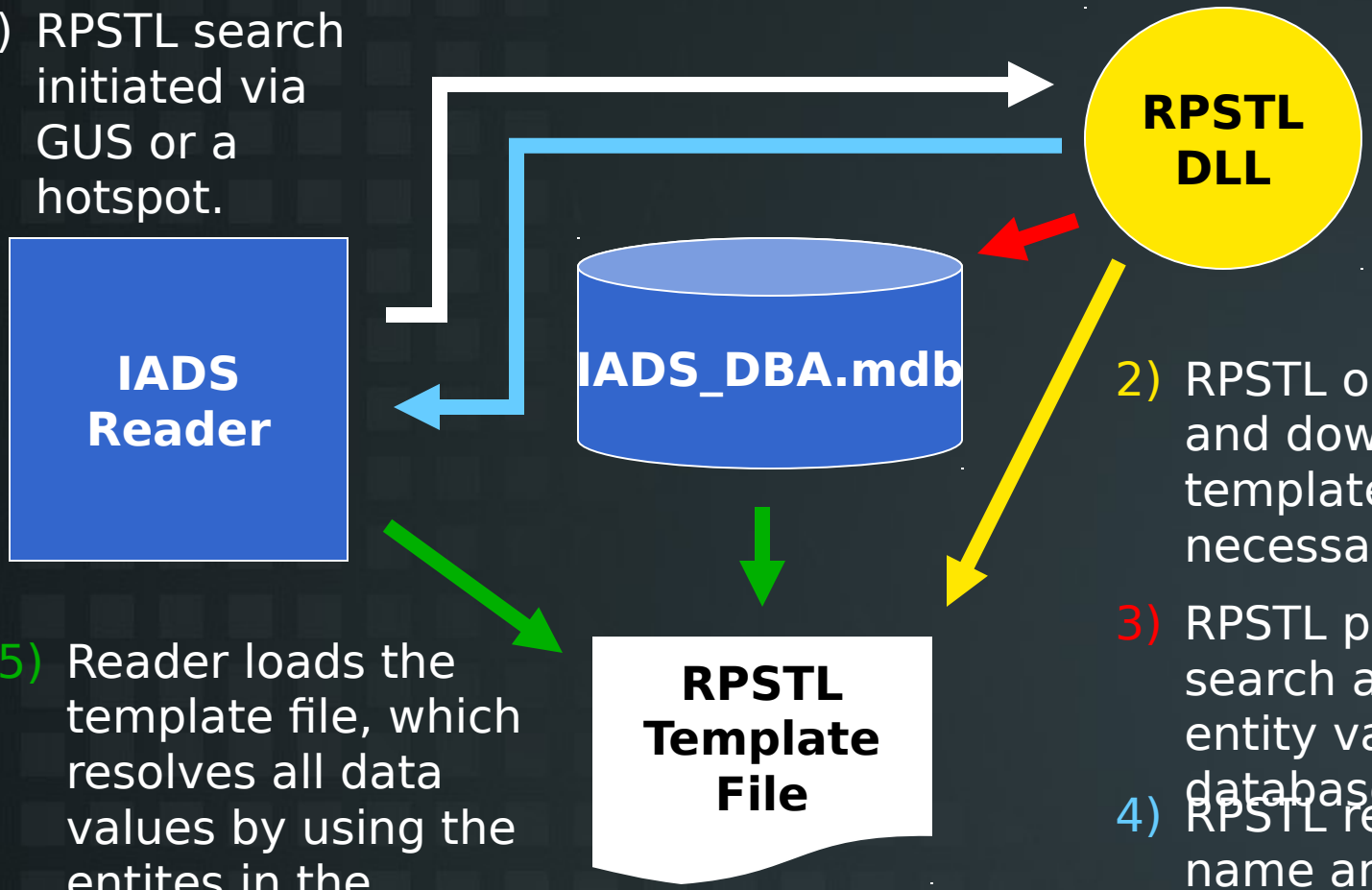
- Greater display customization.
- RPSTLs can now take advantage of nice Reader features such as user notes, and bookmarks.
- More integrated with TM set.
- RPSTL looks and acts more like other ‘document’ types.
- No loss of functionality

Key Mechanisms

- RPSTL SGML Template File
  - Ordinary IADS SGML file
  - One per RPSTL
  - Generated by RPSTL Author
  - Uses entities to fill specific values
  - Implements most customization features
  - Uses own (customizable) style sheet
- IADS Database
  - Holds template display values (including graphic)
  - Defined at run-time.

New Processing Model

1) RPSTL search initiated via GUS or a hotspot.



2) RPSTL opens the book and downloads the template file, if necessary.

3) RPSTL performs the search and loads entity values into the database.

4) RPSTL returns the name and path of the template file to Reader.

5) Reader loads the template file, which resolves all data values by using the entites in the database.

Got All That?

If not, don’t worry…

For Readers:

- Its all automatic and behind the scenes
- No loss in functionality

For Authors:

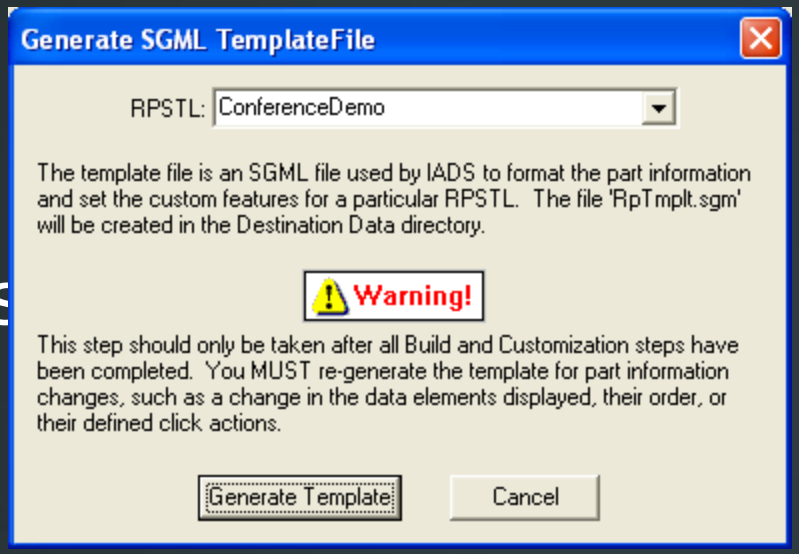
- Only one extra (but critical) step
- Two extra files (the template and its style sheet) to deliver.

RPSTL Author Support

Generate SGML Template Dialog

- File menu option
- Toolbar Button

Should always be done las
(after all build and customization steps).


Generate SGML TemplateFile
RPSTL: ConferenceDemo
The template file is an SGML file used by IADS to format the part information and set the custom features for a particular RPSTL. The file 'RpTmplt.sgm' will be created in the Destination Data directory.
Warning!
This step should only be taken after all Build and Customization steps have been completed. You MUST re-generate the template for part information changes, such as a change in the data elements displayed, their order, or their defined click actions.
Generate Template
Cancel

Other Planned Changes

- Export to 40051C (Author)
- RPSTL Edit
- CGM Utility
- Refinements to Data Element Action and Custom Export Types
- Eliminate required usage of win.ini file.

Questions?